



I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON THE DATE INDICATED BELOW.

BY: Rose A. Stowe DATE: November 20, 2003  
Rose A. Stowe

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re:	Patent Application of Andrea Heilemann, <i>et al.</i>	: Group Art Unit: 1623 : :
Appln. No.:	10/030,974	: Examiner: Ganapathy Krishnan : :
Filed:	May 13, 2002	: Confirmation No.: 4429 : :
For:	PROCESSES FOR PREPARING CROSS- LINKER-FREE, BIOPOLYMER- CONTAINING THREE DIMENSIONAL STRUCTURES, AND PRODUCTS PREPARED THEREBY	: Attorney Docket : No.: H 4172 PCT/US : : :

RECEIVED  
DEC 03 2003  
TECH CENTER 1600/2900

**INFORMATION DISCLOSURE STATEMENT**

It is requested that the enclosed references listed on the attached Information Disclosure Citation Form PTO-1449 be considered by the Patent Examiner in connection with the above-identified application and be made of record therein.

In accordance with 37 C.F.R. §1.97(c)(2), please charge a fee of \$180.00 and any additional fees, or credit any overpayment to Deposit Account No. 50-1177 (Order No. 03-0594). Two additional copies of this Information Disclosure Statement are enclosed for accounting purposes.

Copending U.S. Patent Application No. 10/030,933, which is cited on the attached Form PTO-1449, is pending before Examiner Simon Oh, in Group Art Unit 1615.

Applicants have enclosed a copy of the copending Specification, in accordance with 37 C.F.R. §1.98(a)(2)(iii). If the Examiner is unable to obtain copies of any other papers from Group Art Units 1615, Applicants will provide such additional papers upon written request of the Examiner in a subsequent Office Action in the instant application. The remainder of the

Appl. No.: 10/030,974  
Group Art Unit: 1623

enclosed references were cited, either by the Examiner or Applicants, in the copending U.S. patent application. Also cited on the attached Form PTO-1449 is a reference of record in the instant application, namely Japanese Patent Publication No. JP 01-062302 A, for which a complete English translation is being submitted herewith.

Independent consideration and acknowledgement of the enclosed references are respectfully requested.

Respectfully submitted,

**ANDREA HEILEMANN, et al.**

November 20, 2003  
(Date)

By: 

AARON R. ETTELMAN

Registration No. 42,516

**COGNIS CORPORATION**

300 Brookside Avenue

Ambler, PA 19002

Telephone: (215) 628-1413

Facsimile: (215) 628-1345

E-Mail: AARON.ETTELMAN@COGNIS-US.COM

ARE:are

Encls.:

- (1) Form PTO-1449
- (2) References

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.:  
H 4172 PCT/USAPPLICATION NO.:  
10/030,974

## INFORMATION DISCLOSURE CITATION

(Form PTO-1449 Modified 5/95)  
(Use several sheets if necessary)APPLICANT:  
Andrea Heilemann, *et al.*FILING DATE:  
May 13, 2002GROUP ART UNIT:  
1623

## U.S. PATENT DOCUMENTS

EX. INIT	DOCU- MENT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
		10/030,933		Heilemann, <i>et al.</i>			May 13, 2002
		5,990,381	Nov. 23, 1999	Nishihara			

RECEIVED

DEC 03 2003

TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

EX. INIT	DOCU- MENT	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
		DE 198 36 960 A1	Feb. 17, 1960	Germany			X*	
		EP 0 538 904 A2	Apr. 28, 1993	European Patent Office			X	
		JP 56-104902 A	Aug. 21, 1981	Japan			X*	
		JP 01-062302 A	Mar. 8, 1989	Japan			X	

\* = Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Gerald O. Aspinall, THE POLYSACCHARIDES, Vol. 1, Academic Press, (1982), pgs. 26-31.
		Henryk Struszczyk, "Microcrystalline Chitosan. I. Preparation and Properties of Microcrystalline Chitosan", JOURNAL OF APPLIED POLYMER SCIENCE, John Wiley & Sons, Inc., Vol. 33, (1987), pgs. 177-189.
		Roy L. Whistler (Ed.), "Fractional Precipitation with Ethanol", METHODS IN CARBOHYDRATE CHEMISTRY, Academic Press, Inc., Vol. V, (1965), pgs. 34-46.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.